Index of 1974 articles

LIST OF TITLES

All Around Electronics (puzzle) ..... Dec. 52
Avoid Un-needed Picture Tubes ..... Oct. 28
Bad Day At Service Bench ..... Dec. 20
Cable Or TV? ..... May 52
Cures of Trapezoids ..... Jan. 26
Currently Puzzled? (puzzle) ..... Oct. 33
Delco AM/FM/Stereo Radios ..... Jun. 38
Digital Multimeters ..... Mar. 14
Electronics...Medicine's Helper ..... Feb. 14
Expanding Into CB Service ..... Nov. 26
Faster Repairs of "Dogs" ..... Feb. 28
Fun Around Ohm (puzzle) ..... Jul. 48
Get More Work From Your Employees ..... Dec. 18
Getting Started With Medical Equipment ..... Sep. 32
Golden Age Theme ..... Jan. 16
Have Time for an Injury? ..... Mar. 33
Home TV Reception From Satellites! ..... Jul. 12
Horizontal Sweep Revisited, Part 2 ..... Jan. 20
How To Shop For Money ..... Jun. 14
I'd Rather "Switch" Than Fight ..... May 50
I'm Just A Shade-Tree Technician ..... Nov. 13
Index of 1973 Articles ..... Jan. 35
Interlaced Scanning...Fact or Myth? ..... Aug. 12
It Was Only A Tube! ..... May 32
Motorola AGC Problems, Part 1 ..... Jul. 20
Motorola AGC Problems, Part 2 ..... Sep. 16
Multiple Scopes For Classes ..... May 44
Nitty Gritty Of Installing Antennas ..... May 36
Other Side Of Warranty ..... Oct. 12
Practical Way Of Installing Antenna Towers ..... Apr. 14
Prevent Those Costly Callbacks ..... Feb. 44
Pricing And Selling MATV Systems ..... Jun. 45
Professional Practices for MATV Installations ..... Oct. 38
Profitable Intermittents ..... Oct. 46
Profitable MATV Repairs ..... Dec. 26
Rare Cases Of SCR-Sweep Defects ..... Oct. 14
Record Changer Workshop, Part 3 ..... Jan. 40
Record Changer Workshop, Part 4 ..... Feb. 46
Repairs For RCA Solid-State Vertical ..... Jun. 16
Repairs Of Marine Radios ..... Jul. 43
Safety...The Ignored Subject ..... Mar. 28
Servicing AGC In RCA Portables ..... Feb. 22
Servicing A Horizontal Module ..... Sep. 22
Servicing Calculators, Part 1 ..... Mar. 42
Servicing Calculators, Part 2 ..... Apr. 36
Servicing Video Tape Recorders, Part 1 ..... Dec. 12
Servicing Zenith Color TV's ..... Jul. 36
Sixty-seven Years Of "Know-How" ..... Aug. 20
Symptoms From "Fail-Safe", Part 1 ..... Mar. 36
Symptoms From "Fail-Safe", Part 2 ..... Apr. 30
Tax Deduction For Your "Home" Office ..... Apr. 24
Tracking Down Regulator Problems ..... Nov. 30
Transistor Repairs...The Hard Way ..... Oct. 24
Transistor Replacement Chart ..... Apr. 35
TV Instructor Advises Beginners ..... Aug. 24
Type Of Business Best For You? ..... Jul. 18
Understanding New Zenith Remotes ..... May 16
Vertical Trouble Not A Vertical Trouble? ..... Apr. 28
Warranty Discussion Roundup ..... Sep. 12
Wife To Widow ..... Nov. 12
Workshop On Cassettes, Part 1 ..... Nov. 20
Workshop On Cassettes, Part 2 ..... Dec. 35
Workshop On Tape Recorders, Part 1 ..... Jun. 24
Workshop On Tape Recorders, Part 2 ..... Jul. 28
Workshop On Tape Recorders, Part 3 ..... Aug. 36

ANTENNA, MATV, CATV

Cable Or TV? ..... May 52
Home TV Reception From Satellites! ..... Jul. 12
I'd Rather "Switch" Than Fight ..... May 50
Nitty Gritty Of Installing Antennas ..... May 36
Practical Way Of Installing Antenna Towers ..... Apr. 14
Pricing And Selling MATV Systems ..... Jun. 45
Professional Practices for MATV Installations ..... Oct. 38
Profitable MATV Repairs ..... Dec. 26

AUTO ELECTRONICS

Delco AM/FM/Stereo Radios ..... Jun. 38

BUSINESS AND WARRANTY

Get More Work From Your Employees ..... Dec. 18
Golden Age Theme ..... Jan. 16
How to Shop For Money ..... Jun. 14
Other Side Of Warranty ..... Oct. 12
Prevent Those Costly Callbacks ..... Feb. 44
Profitable Intermittents ..... Oct. 46
Sixty-seven Years Of "Know-How" ..... Aug. 20
Tax Deduction For Your "Home" Office ..... Apr. 24
Type Of Business Best For You? ..... Jul. 18
Warranty Discussion Roundup ..... Sep. 12

CB AND MARINE RADIO

Expanding Into CB Service ..... Nov. 26
Repairs Of Marine Radios ..... Jul. 43

COLOR TV

Avoid Un-needed Picture Tubes ..... Oct. 28
Bad Day At Service Bench ..... Dec. 20
Cable Or TV? ..... May 52
Cures of Trapezoids ..... Jan. 26
Faster Repairs of "Dogs" ..... Feb. 28
Horizontal Sweep Revisited, Part 2 ..... Jan. 20
I'd Rather "Switch" Than Fight ..... May 50
I'm Just A Shade-Tree Technician ..... Nov. 13
Interlaced Scanning...Fact or Myth? ..... Aug. 12
It Was Only A Tube! ..... May 32
Motorola AGC Problems, Part 1 ..... Jul. 20
Motorola AGC Problems, Part 2 ..... Sep. 16
Rare Cases Of SCR-Sweep Defects ..... Oct. 14
Repairs For RCA Solid-State Vertical ..... Jun. 16

Servicing AGC in RCA Portables ..... Feb. 22
Servicing A Horizontal Module ..... Sep. 22
Servicing Zenith Color TV's ..... Jul. 36
Symptoms From "Fail-Safe", Part 1 ..... Mar. 36
Symptoms From "Fail-Safe", Part 2 ..... Apr. 30
Tracking Down Regulator Problems ..... Nov. 30
TV Instructor Advises Beginners ..... Aug. 24
Understanding New Zenith Remotes ..... May 16
Vertical Trouble Not A Vertical Trouble? ..... Apr. 28

DIGITAL LOGIC OR EQUIPMENT
Digital Multimeters ..... Mar. 14
Servicing Calculators, Part 1 ..... Mar. 42
Servicing Calculators, Part 2 ..... Apr. 36
Understanding New Zenith Remotes ..... May 16

HORIZONTAL AND HIGH VOLTAGE
Cures of Trapezoids ..... Jan. 26
Faster Repairs of "Dogs" ..... Feb. 28
Horizontal Sweep Revisited, Part 2 ..... Jan. 20
I'm Just A Shade-Tree Technician ..... Nov. 13
Rare Cases Of SCR-Sweep Defects ..... Oct. 14
Servicing A Horizontal Module ..... Sep. 22
Servicing Zenith Color TV's ..... Jul. 36
Symptoms From "Fail-Safe", Part 1 ..... Mar. 36
Tracking Down Regulator Problems ..... Nov. 30

MISCELLANEOUS
Electronics...Medicine's Helper ..... Feb. 14
Getting Started With Medical Equipment ..... Sep. 32
Have Time for an Injury? ..... Mar. 33
Safety...The Ignored Subject ..... Mar. 28
Index of 1973 Articles ..... Jan. 35
Multiple Scopes For Classes ..... May 44
Wife To Widow ..... Nov. 12

PUZZLES
All Around Electronics ..... Dec. 52
Currently Puzzled? ..... Oct. 33
Fun Around Ohm ..... Jul. 48

REPORTS FROM THE TEST LAB
B&K Dynascan Model 282 DMM ..... Sep. 28
B & K Dynascan Model E-310B audio generator ..... May 28
Data Technology Model 21 DMM ..... Oct. 34
Castle TV Master Subber Mark V ..... Jun. 36
Sencore Model TC28 tube and transistor tester ..... Dec. 42
Simpson Scope Model 455 ..... Oct. 34
Telequipment D61 scope ..... Aug. 30
Wayne Model WT2A transistor tester ..... Nov. 40

SOLID STATE
Delco AM/FM/Stereo Radios ..... Jun. 38
Digital Multimeters ..... Mar. 14
Motorola AGC Problems, Part 2 ..... Sep. 16
Multiple Scopes For Classes ..... May 44
Rare Cases Of SCR-Sweep Defects ..... Oct. 14
Repairs For RCA Solid-State Vertical ..... Jun. 16
Repairs Of Marine Radios ..... Jul. 43
Servicing A Horizontal Module ..... Sep. 22
Servicing AGC IN RCA Portables ..... Feb. 22
Servicing Calculators, Part 1 ..... Mar. 42
Servicing Calculators, Part 2 ..... Apr. 36
Servicing Zenith Color TV's ..... Jul. 36
Transistor Repairs...The Hard Way ..... Oct. 24
Transistor Replacement Chart ..... Apr. 35
Understanding New Zenith Remotes ..... May 16

TEST EQUIPMENT
Digital Multimeters ..... Mar. 14
Multiple Scopes For Classes ..... May 44

VERTICAL SWEEP
Bad Day At Service Bench ..... Dec. 20
It Was Only A Tube! ..... May 32
Repairs For RCA Solid-State Vertical ..... Jun. 16
Vertical Trouble Not A Vertical Trouble? ..... Apr. 28

WORKSHOPS
Record Changer Workshop, Part 3 ..... Jan. 40
Record Changer Workshop, Part 4 ..... Feb. 46
Workshop On Cassettes, Part 1 ..... Nov. 20
Workshop On Cassettes, Part 2 ..... Dec. 35
Workshop On Tape Recorders, Part 1 ..... Jun. 24
Workshop On Tape Recorders, Part 2 ..... Jul. 28
Workshop On Tape Recorders, Part 3 ..... Aug. 36

SIGNATURE PATTERNS
General Electric JA Chassis ..... Mar. 46
Philco-Ford 3CR41 Chassis ..... Apr. 26
Magnavox T989 Chassis ..... Sep. 39
Magnavox T979 Chassis ..... Jan. 31
Sylvania EO3, EO4, EO5 Chassis ..... Feb. 34
Zenith 17EC45/19EC45 Chassis ..... Jun. 33

TROUBLESHOOTING TIPS

ADMIRAL
G13 weak horizontal locking ..... Sep. 10
G13 intermittent buzz in sound ..... Mar. 12
K16 brightness problem from HV regulation ..... Nov. 10

CURTIS MATHES
CMC24 intermittent focus and brightness ..... May 12

EMERSON
120883 blooming picture ..... Jul. 11

GENERAL ELECTRIC
A-2 small picture ..... Mar. 12
C-1 vertical problem from HV regulator ..... Nov. 10
HC dark picture ..... Apr. 10

PACKARD BELL
CRQ312 small picture ..... Jul. 10
98C19 buzz in the sound ..... Jul. 11

PANASONIC
B-W no HV or horizontal tearing ..... Sep. 11

PHILCO
19QT87 intermittent HV ..... Oct. 10

RCA
CTC12A cure for blooming ..... Feb. 11
CTC16 intermittent height ..... May 12
CTC31 no raster, open contrast control ..... Apr. 10
CTC31A no color, excessive brightness ..... Mar. 11
CTC48 no picture, no sound ..... Feb. 11
CTC50XP vertical non-linearity ..... Jan. 11
CTC51 no video ..... Feb. 10
CTC51 intermittent horizontal and locking ..... Aug. 10
CTC53 purple screen and noise in color ..... Jan. 9
CTC59 no color ..... Feb. 10
CTC62 slow warmup ..... Jan. 53

SEARS
562.10481 overload and vertical lines ..... Nov. 11

SHARP
CY61PC snowy picture ..... Jan. 10

SILVERTONE
528.72660 low voltage, no sound or picture ..... Dec. 8

SYLVANIA
D14 intermittent color and locking ..... Aug. 10
D16 low sensitivity ..... Apr. 9
D18 insufficient height ..... Mar. 12
EO1 intermittent raster ..... Jul. 10

TELEDYNE PACKARD BELL
98C9 no high voltage, then poor linearity ..... Apr. 9

WARDS
Airline GCI12420E tripping circuit breaker ..... Aug. 10

ZENITH
4B25C19 no brightness ..... Oct. 10
12B8C15 intermittent picture and sound ..... Nov. 10
14L36 bend at the top of the picture ..... Feb. 10
16Z8C50 insufficient height ..... Dec. 8
20Y1C50 erratic height ..... May 10
25CC50 rapid width changes ..... May 11
25CC50 intermittent picture ..... Aug. 10
25DC56 intermittent hum bars ..... Jan. 10
25DC56 no sound, no raster ..... Apr. 10
25DC57 intermittent brightness ..... Sep. 10

ADMIRAL **SYMCURE**
H10 vertical hold control at one end ..... Apr. 8
K10 raster, but no picture; might be intermittent ... Apr. 8
K16 no control of brightness ..... Feb. 8
K19 insufficient height at bottom, poor R-G convergence ..... Feb. 8

CURTIS MATHES
Compression at bottom of picture ..... Nov. 8
C-51 HV Protect activates falsely with weak signal ..... Nov. 8
C-51 reduced height ..... Nov. 8
C-51 right half of lines missing in service position ..... Nov. 8
CMC-51 horizontal output transistor fails periodically ..... Nov. 8
CMC-51 snowy picture, reduced height, low brightness ..... Nov. 8

GENERAL ELECTRIC
KC no color, or intermittent color ..... Apr. 8

GTE SYLVANIA
No picture, or weak contrast ..... Jun. 8
D16 horizontal hold control has no effect ..... Aug. 8
D16 intermittent loss of green from raster ..... Aug. 8
D16 no color, weak sensitivity ..... Aug. 8
D16 no vertical or horizontal sync ..... Aug. 8
D18 left edge of screen is green ..... Aug. 8
D19 low brightness, poor color ..... Aug. 8

MAGNAVOX
T920 no high voltage, output plate red ..... Apr. 8
T936 weak locking on some channels ..... Jan. 8
T940 intermittent loss of color ..... Jun. 8
T940 low brightness at turn on, or after operation .. Jun. 8
T958 failure of 5-amp fuse ..... Jan. 8

MOTOROLA
18TS929 movement of IF/audio panel changes brightness ..... Jun. 8
TS915, TS919 arcing around focus plug on HV cage ..... Jun. 8
TS915, TS919 intermittent focus, loss of brightness ..... Sep. 8
TS929 no raster, HV okay ..... Jun. 8
TS929, TS934 hum bars in picture ..... Sep. 8
TS929, TS934 loud arcing ..... Sep. 8
TS929, TS934 picture stretched at top ..... Sep. 8
TS929, TS934 slight compression at top and bottom ..... Sep. 8
TS929, TS934 vertical bar of noise on left side ..... Sep. 8

PHILCO-FORD
18QT85 raster, but no picture ..... Apr. 8

RCA
CTC39 high-frequency squeal ..... Mar. 8
CTC40 repeated failures of SCR101 ..... Dec. 10
CTC46 low HV, horizontal foldover, no HV regulation ..... Mar. 8
CTC46 no HV regulation, unstable horizontal locking ..... Mar. 8
CTC46 no vertical sweep ..... Dec. 10
CTC46 repeated failures of vertical output transistor ..... Mar. 8
CTC48 circuit breaker open shortly after turn-on .... Dec. 10
CTC48 circuit breaker trips, excessive CRT screen voltage ..... Jul. 8
CTC48 no raster, R5 burns ..... Jul. 8
CTC48 video has "S" bend vertically ..... Mar. 8
CTC49 high frequency squeal from horizontal sweep ..... Dec. 10
CTC52 width in an "hourglass" shape ..... Mar. 8
CTC52XAL no remote control operation ..... Jul. 8
CTC54 channels continuously following channel selection ..... Jul. 8
CTC58 narrow width ..... Dec. 10
CTC58 narrow width and squeal ..... Dec. 10
CTC68 (CTC52) erratic on-off, or power always on ... Jul. 8
KCS172, KCS183 raster ringing at left edge of picture ..... Jul. 8

SYLVANIA
D16 low brightness ..... Feb. 8
D16 no color locking ..... Feb. 8
D16 poor convergence of R-G vertical lines ..... Feb. 8
D17 poor horizontal locking ..... Jan. 8
D17 weak color ..... Jan. 8
EO2 excessive high voltage ..... Jan. 8
EO2 intermittent or no color ..... Jan. 8

ZENITH
17EC45, 19EC45 no AGC action, dark picture ..... May 8
17EC45, 19EC45 no raster, HV okay ..... May 8
17EC45, 19EC45 no raster, dark picture no set-up line ..... May 8
17EC45, 19EC45 no vertical deflection ..... May 8
17EC45, 19EC45 small picture ..... May 8
17EC45, 19EC45 sound too high-pitched ..... May 8
23XC36 poor color locking ..... Apr. 8